



TFW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Patrick S. Schnable et al.      Art Unit : 1645  
Serial No. : 10/766,102      Examiner : Unknown  
Filed : January 27, 2004  
Title : NUCLEIC ACID MOLECULES ENCODING MULTIPLE START CODONS  
AND HISTIDINE TAGS

**MAIL STOP AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicants request consideration of the references listed on the attached PTO-1449 form. Under 35 U.S.C. §120, this application relies on the earlier filing date of U.S. Application No. 09/897,776 filed on June 29, 2001. The following references were submitted to and/or cited by the Office in the prior application and, therefore, are not provided in this application.

This statement is being filed within three months of the filing date of the application or before the receipt of a first Office Action on the merits. Please apply any charges or credits to Deposit Account No. 06-1050.

Date: May 3, 2005

Fish & Richardson P.C., P.A.  
60 South Sixth Street, Suite 3300  
Minneapolis, MN 55402  
Telephone: (612) 335-5070  
Facsimile: (612) 288-9696  
60291545.doc

Respectfully submitted,

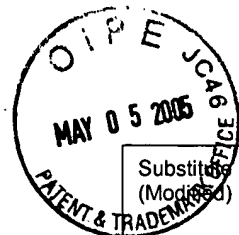
M. Angela Parsons  
M. Angela Parsons, Ph.D.  
Reg. No. 44,282

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

May 3, 2005  
Date of Deposit  
Heidi Bathrick  
Signature

Heidi Bathrick  
Typed or Printed Name of Person Signing Certificate



Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 08411-027002	Application No. 10/766,102
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))		Applicant Patrick S. Schnable et al.	
		Filing Date January 27, 2004	Group Art Unit 1645

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	4,876,197	10/24/89	Burke et al.			
	AB	4,880,734	11/14/89	Burke et al.			
	AC	5,268,284	12/07/93	Tomich et al.			
	AD	6,359,197	03/19/02	Amasino et al.			

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AE	0 120 551 B1	08/01/90	EPO				
	AF	0 164 556 B1	03/02/94	EPO				
	AG	0 284 044 B1	03/23/94	EPO				

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AH	GenBank Accession No. M26227
	AI	GenBank Accession No. U43082
	AJ	<a href="http://www.zmdb.iastate.edu">http://www.zmdb.iastate.edu</a> - ZmDB - A Maize Genome Database
	AK	<a href="http://www.bioinformatics.org/sms">http://www.bioinformatics.org/sms</a> - The Sequence Manipulation Suite
	AL	Amann and Brosius, "ATG vectors for regulated high-level expression of cloned genes in <i>Escherichia coli</i> ," <i>Gene</i> , 1985, 40:183-190
	AM	Arnold, "Metal-Affinity Separations: A New Dimension in Protein Processing," <i>Bio/Technology</i> , 1991, 9:151-156
	AN	Ausubel et al., "Preparation and Analysis of DNA," <i>Current Protocols in Molecular Biology</i> , 1995, Chapter 2, Greene Publishing and Wiley-Interscience, New York
	AO	Ausubel et al., <i>Current Protocols in Molecular Biology</i> , 1998, John Wiley & Sons, Inc. (Table of Contents only)
	AP	Avramova et al., "Gene identification in a complex chromosomal continuum by local genomic cross-referencing," <i>Plant J.</i> , 1996, 10(6):1163-1168
	AQ	Carels and Bernardi, "Two Classes of Genes in Plants," <i>Genetics</i> , 2000, 154:1819-1825
	AR	Civardi et al., "The relationship between genetic and physical distances in the cloned <i>al-sh2</i> interval of the <i>Zea mays</i> L. genome," <i>Proc. Natl. Acad. Sci. USA</i> , 1994, 91:8268-8272
	AS	Cohen et al., "Functional expression in yeast of the <i>Escherichia coli</i> plasmid gene coding for chloramphenicol acetyltransferase," <i>Proc. Natl. Acad. Sci. USA</i> , 1980, 77(2):1078-1082

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 08411-027002	Application No. 10/766,102
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Patrick S. Schnable et al.	
		Filing Date January 27, 2004	Group Art Unit 1645

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AT	Cross et al., "Purification of CpG islands using a methylated DNA binding column," <u>Nat. Genet.</u> , 1994, 6:236-244
	AU	Cui et al., "The <i>rf2</i> Nuclear Restorer Gene of Male-Sterile T-Cytoplasm Maize," <u>Science</u> , 1996, 272:1334-1336
	AV	de Boer et al., "The <i>tac</i> promoter: A functional hybrid derived from the <i>trp</i> and <i>lac</i> promoters," <u>Proc. Natl. Acad. Sci. USA</u> , 1983, 80:21-25
	AW	de Fatima Bonaldo et al., "Normalization and Subtraction: Two Approaches to Facilitate Gene Discovery," <u>Genome Res.</u> , 1996, 6:791-806
	AX	Dellaporta et al., "Maize DNA Minpreps," <u>Maize Genetics Cooperation Newsletter</u> , 1983, 57:26-29
	AY	Dill et al., " <i>Rf8</i> and <i>Rf*</i> Mediate Unique T- <i>urf13</i> -Transcript Accumulation, Revealing a Conserved Motif Associated With RNA Processing and Restoration of Pollen Fertility in T-Cytoplasm Maize," <u>Genetics</u> , 1997, 147(3):1367-1379
	AZ	Hansen et al., "The <i>glossy1</i> Locus of Maize and an Epidermis-Specific cDNA from <i>Kleinia odora</i> Define a Class of Receptor-Like Proteins Required for the Normal Accumulation of Cuticular Waxes," <u>Plant Physiol.</u> , 1997, 113:1091-1100
	AAA	Henikoff et al., "Isolation of a gene from <i>Drosophila</i> by complementation in yeast," <u>Nature</u> , 1981, 289(5793):33-37
	ABB	Hollenberg, "Cloning with 2- $\mu$ m DNA Vectors and the Expression of Foreign Genes in <i>Saccharomyces cerevisiae</i> ," <u>Curr. Topics Microbiol. Immunol.</u> , 1981, 96:119-144
	ACC	Hsia and Schnable, "DNA Sequence Analyses Support the Role of Interrupted Gap Repair in the Origin of Internal Deletions of the Maize Transposon, <i>MuDR</i> ," <u>Genetics</u> , 1996, 142(2):603-618
	ADD	Lindner et al., "Specific Detection of His-Tagged Proteins with Recombinant Anti-His Tag scFv-Phosphatase or scFv-Phage Fusions," <u>BioTechniques</u> , 1997, 22:140-149
	AEE	Mercereau-Puijalon et al., "Synthesis of a chicken ovalbumin-like protein in the yeast <i>Saccharomyces cerevisiae</i> ," <u>Gene</u> , 1980, 11:163-167
	AFF	Panthier et al., "Cloned $\beta$ -Galactosidase Gene of <i>Escherichia coli</i> is Expressed in the Yeast <i>Saccharomyces cerevisiae</i> ," <u>Current Genetics</u> , 1980, 2:109-113
	AGG	Rabinowicz et al., "Differential methylation of genes and retrotransposons facilitates shotgun sequencing of the maize genome," <u>Nat. Genet.</u> , 1999, 23:305-308
	AHH	Sambrook et al., <u>Molecular Cloning: A Laboratory Manual</u> , 1989, 2 <sup>nd</sup> Edition, Cold Spring Harbor Laboratory Press, Plainview, New York (Table of Contents only)
	AII	Shimatake and Rosenberg, "Purified $\lambda$ regulatory protein cII positively activates promoters for lysogenic development," <u>Nature</u> , 1981, 292(5819):128-132
	AJJ	Studier and Moffatt, "Use of Bacteriophage T7 RNA Polymerase to Direct Selective High-Level Expression of Cloned Genes," <u>J. Mol. Biol.</u> , 1986, 189:113-130
	AKK	Tijssen, <u>Laboratory Techniques in Biochemistry and Molecular Biology - Hybridization with Nucleic Acid Probes</u> , 1993, Volume 24, Chapter 2, pp. 19-78, Elsevier, New York
	ALL	Tikhonov et al., "Colinearity and its exceptions in orthologous <i>adh</i> regions of maize and sorghum," <u>Proc. Natl. Acad. Sci. USA</u> , 1999, 96(13):7409-7414
	AMM	Wagner et al., "Transcriptional slippage occurs during elongation at runs of adenine or thymine in <i>Escherichia coli</i> ," <u>Nucleic Acids Res.</u> , 1990, 18(12):3529-3535
	ANN	Weigel et al., "Activation Tagging in Arabidopsis," <u>Plant Physiol.</u> , 2000, 122:1003-1013

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 08411-027002	Application No. 10/766,102
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))		Applicant Patrick S. Schnable et al.	
		Filing Date January 27, 2004	Group Art Unit 1645

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AOO	Wise et al., " <i>Mutator</i> -Induced Mutations of the <i>rfl</i> Nuclear Fertility Restorer of T-Cytoplasm Maize Alter the Accumulation of T- <i>urf13</i> Mitochondrial Transcripts," <i>Genetics</i> , 1996, 143:1383-1394
	APP	Xia et al., "Cloning and Characterization of <i>CER2</i> , an Arabidopsis Gene That Affects Cuticular Wax Accumulation," <i>Plant Cell</i> , 1996, 8:1291-1304
	AQQ	Xia et al., "Developmental and Hormonal Regulation of the Arabidopsis <i>CER2</i> Gene That Codes for a Nuclear-Localized Protein Required for the Normal Accumulation of Cuticular Waxes," <i>Plant Physiol.</i> , 1997, 115:925-937
	ARR	Xu et al., "Meiotic Recombination Break Points Resolve at High Rates at the 5' End of a Maize Coding Sequence," <i>Plant Cell</i> , 1995, 7:2151-2161
	ASS	Xu et al., "Sequence Analysis of the Cloned <i>glossy8</i> Gene of Maize Suggests That It May Code for a $\beta$ -Ketoacyl Reductase Required for the Biosynthesis of Cuticular Waxes," <i>Plant Physiol.</i> , 1997, 115:501-510

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	